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**1   Patient management systems: the early years**
♦ W. E. Hammond
December 1987 Proceedings of ACM conference on History of medical informatics
Publisher: ACM
Full text available: 📄 Pdf (880.60 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 34,   Downloads (12 Months): 318,   Citation Count: 0

As I scanned through old papers and reports in preparation for these remarks, I beca depressed in the "sameness" of those proposals and descriptions with what is happer today. Then I realized there are major differences - today's systems ...

**2   Graphical representation of programs in a demonstrational visual shell——an empirical evaluation**
♦ Francesmary Modugno, Albert T. Corbett, Brad A. Myers
September 1997 Transactions on Computer-Human Interaction (TOCHI) , Volume 4 I
Publisher: ACM
Full text available: 📄 Pdf (721.71 KB)   Additional Information: full citation, abstract, references, cited by, inc terms, review

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 62,   Citation Count: 3

An open question in the area of Programming by Demonstration (PBD) is how to best represent the inferred program. Without a way to view, edit, and share programs, PE systems will never reach their full potential. We designed and implemented two graphical ...

Keywords: programming by demonstration, pursuit

**3   Getting more out of programming-by-demonstration**
♦ Richard G. McDaniel, Brad A. Myers
May 1999 CHI '99: Proceedings of the SIGCHI conference on Human factors in computin systems: the CHI is the limit
Publisher: ACM
Full text available: 📄 Pdf (1.14 MB)   Additional Information: full citation, abstract, references, cited by, inc terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 27,   Citation Count: 8

Programming-by-demonstration (PBD) can be used to create tools and methods that eliminate the need to learn difficult computer languages. Gamut is a PBD tool that nonprogrammers can use to create a broader range of interactive software, including

Keywords: Gamut, application builders, end-user programming, inductive learning, programming-by-demonstration, programming-by-example, user interface software

4 History of the development of medical information systems at the Laboratory of Computer Science at Massachusetts General Hospital
G. O. Barnett
December 1987 Proceedings of ACM conference on History of medical informatics
Publisher: ACM
Full text available: Pdf (835.53 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 16,   Downloads (12 Months): 215,   Citation Count: 0

The reconstruction of history is always a difficult task. The important decisions, the critical issues never seem to be adequately documented and cannot easily be recalled is difficult enough in affairs of national importance to try to establish ...

5 Codewitz: producing interactive elearning material for beginners in programming
Esa Kujansuu, Marko Kulmala
June 2003 I TiCSE '03: Proceedings of the 8th annual conference on Innovation and technology in computer science education
Publisher: ACM
Full text available: Pdf (45.34 KB)   Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 13,   Citation Count: 0

The students of basic programming courses encounter often very serious learning problems. This is mostly due to the fact that even basic programming concepts and structures are abstract and need to be understood before a student can learn more practical ...

Keywords: basic programming, program code visualization, programming examples

Also published in:
September 2003 SIGCSE Bulletin Volume 35 Issue 3

6 Mondrian: a teachable graphical editor
Henry Lieberman
May 1993 CHI '93: Proceedings of the INTERACT '93 and CHI '93 conference on Human factors in computing systems
Publisher: ACM
Full text available: Pdf (129.73 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 8,   Citation Count: 0

Mondrian is an object-oriented graphical editor that can learn new graphical procedur through programming by demonstration. A user can demonstrate a sequence of graphical editing commands on a concrete example to illustrate how the new procedu should ...

Keywords: artificial intelligence, direct-manipulation interfaces, end-user programm graphical editing, machine learning, programming by demonstration

7 Advanced features of Dreamweaver (tutorial presentation)
Joshua McMahon
April 2001 Proceedings of the seventh annual consortium for computing in small colleges central plains conference on The journal of computing in small colleges
Publisher: Consortium for Computing Sciences in Colleges

Everyone, from English teachers to librarians, is using the web to their advantage. Ma tools exist to help these individuals create exciting and well-designed web sites. Web Development is not a topic that can be handled only by web masters and those ...

Also published in:

| April 2001 | Proceedings of the twelfth annual CCSC South Central conference on The journal of computing in small colleges | |
|---|---|---|
| March 2001 | Journal of Computing Sciences in Colleges | Volume 16 Issue 3 |

8  Computer animation
Charles Csuri
April 1975 SIGGRAPH '75: Proceedings of the 2nd annual conference on Computer grap and interactive techniques
Publisher: ACM

A comprehensive 3-D real-time computer animation system is based upon a broad ra of research activities in the field of computer graphics. In many ways the requiremen for such a system are more challenging and complex than for other graphics systems

Also published in:
April 1975 SIGGRAPH Computer Graphics Volume 9 Issue 1

9  Demonstrational customization of a shared whiteboard to support user-defined semantic relationships among objects
Du Li, Jason Patrao
September 2001 GROUP '01: Proceedings of the 2001 International ACM SIGGROUP Conference on Supporting Group Work
Publisher: ACM

As a promising approach to end-user computing, programming by demonstration (PB techniques have been explored by many researchers in single-user applications. This paper investigates how PBD techniques can be used to support end-user customization ...

Keywords: collaboration modeling, collaborative editing systems, customization, end user computing, groupware, object relationships, programming by demonstration, whiteboard

10  Expert systems in insurance underwriting: model development and application
Gary A Wicklund, Roberta M Roth
March 1987 SIGCPR '87: Proceedings of the conference on The 1987 ACM SIGBDP-SIGC Conference
Publisher: ACM

The paper examines the work of Dr. Gary A. Wicklund and doctoral student Ms. Robe
M. Roth of the University of Iowa in the development and implementation of an
insurance underwriting expert system for a Midwestern insurance company. The
underwriting ...

11 Proceedings of the 18th annual ACM SIGPLAN conference on Object-oriented
programming, systems, languages, and applications
Ron Crocker, Guy L. Steele, Jr.
October 2003 OOPSLA '03: Proceedings of the 18th annual ACM SIGPLAN conference on
Object-oriented programing, systems, languages, and applications
Publisher: ACM
Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a,  Downloads (12 Months): n/a,  Citation Count: 0

Welcome to *OOPSLA 2003*, the 18th Annual ACM Conference on Object-Oriented
Programming, Systems, Languages and Applications.OOPSLA is the premier forum fo
sharing of knowledge on object technology. This year's program is outstanding. It
provides ...

12 A session with Tinker: Interleaving program testing with program design
Henry Lieberman, Carl Hewitt
August 1980 LFP '80: Proceedings of the 1980 ACM conference on LISP and functional
programming
Publisher: ACM
Full text available: Pdf (840.68 KB)  Additional Information: full citation, abstract, references, cited by, in
terms

Bibliometrics: Downloads (6 Weeks): 0,  Downloads (12 Months): 20,  Citation Count: 12

Tinker is an experimental interactive programming system which integrates program
testing with program design. New procedures are created by working out the steps o
the procedure in concrete situations. Tinker displays the results of each step as it ...

13 Decision problems in computational models
Michael S. Paterson
January 1972 Proceedings of ACM conference on Proving assertions about programs
Publisher: ACM
Full text available: Pdf (620.78 KB)  Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 2,  Downloads (12 Months): 17,  Citation Count: 0

Some of the assertions about programs which we might be interested in proving are
concerned with correctness, equivalence, accessibility of subroutines and guarantees
termination. We should like to develop techniques for determining such properties ...

Also published in:
January 1972 SIGACT News      Issue 14
January 1972 SIGPLAN Notices Volume 7 Issue 1

14 Visual COKO: a debugger for query optimizer development
Daniel J. Abadi, Mitch Cherniack
June 2002 SIGMOD '02: Proceedings of the 2002 ACM SIGMOD international conference
Management of data
Publisher: ACM
Full text available: Pdf (110.03 KB)  Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 2,  Downloads (12 Months): 29,  Citation Count: 0

Query optimization generates plans to retrieve data requested by queries. Query

rewriting, which is the first step of this process, rewrites a query expression into an equivalent form to prepare it for plan generation. COKO-KOLA introduced a new approach ...

15 XPL: an expert systems framework in APL
Robert Bittlestone
June 1986 APL '85: Proceedings of the international conference on APL: APL and the fut
Publisher: ACM

Full text available: Pdf (703.01 KB)   Additional Information: full citation, abstract, references, cited by, in terms

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 73,   Citation Count: 4

It is hardly possible to pick up a computer journal today without seeing references to Alvey project in the UK, the Esprit project run by the EEC, the Japanese "Fifth generation" initiative, the proliferation of knowledge-based computer ...

Also published in:
May 1985 SIGAPL APL Quote Quad Volume 15 Issue 4

16 Mixed initiative interfaces for learning tasks: SMARTedit talks back
Steven A. Wolfman, Tessa Lau, Pedro Domingos, Daniel S. Weld
January 2001 IUI '01: Proceedings of the 6th international conference on Intelligent use interfaces
Publisher: ACM

Full text available: Pdf (219.76 KB)   Additional Information: full citation, abstract, references, cited by, in terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 21,   Citation Count: 6

Applications of machine learning can be viewed as teacher-student interactions in wh the teacher provides training examples and the student learns a generalization of the training examples. One such application of great interest to the IUI community ...

Keywords: machine learning applications, mixed initiative, programming by demonstration

17 Proceedings of the 1st international conference on Knowledge capture
Yolanda Gil, Mark Musen, Jude Shavlik
October 2001 K-CAP '01: Proceedings of the 1st international conference on Knowledge capture
Publisher: ACM
Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citation Count: 0

In today's Web-linked and data-rich world, there is a growing need to manage burgeoning amounts of information effectively. Although indexing and linking docume and other information sources is an important step, capturing the knowledge contained ...

18 Pavlov: an interface builder for designing animated interfaces
David Wolber
December 1997 Transactions on Computer-Human Interaction (TOCHI) , Volume 4 Is
Publisher: ACM

Full text available: Pdf (1.09 MB)   Additional Information: full citation, abstract, references, cited by, in terms, review

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 55,   Citation Count: 7

Conventional interface builders provide little support for interactive development of interfaces with application-specific graphics. Some Programming by Demonstration (PBD) systems do provide such support, but none provide full support for demonstrating ...

Keywords: animation, programming by demonstration, user interface design environments

19 Marquise: creating complete user interfaces by demonstration
Brad A. Myers, Richard G. McDaniel, David S. Kosbie
May 1993 CHI '93: Proceedings of the INTERACT '93 and CHI '93 conference on Human factors in computing systems
Publisher: ACM

Full text available: Pdf (983.10 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4,  Downloads (12 Months): 33,  Citation Count: 18

Marquise is a new interactive tool that allows virtually all of the user interfaces of graphical editors to be created by demonstration without programming. A "graphical editor" allows the user to create and manipulate graphical objects with ...

Keywords: Garnet, demonstrational interfaces, interface builders, user interface management systems, user interface software

20 Learning programs from traces using version space algebra
Tessa Lau, Pedro Domingos, Daniel S. Weld
October 2003 K-CAP '03: Proceedings of the 2nd international conference on Knowledge capture
Publisher: ACM

Full text available: Pdf (338.14 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1,  Downloads (12 Months): 24,  Citation Count: 7

While existing learning techniques can be viewed as inducing programs from example most research has focused on rather narrow classes of programs, e.g., decision trees logic rules. In contrast, most of today's programs are written in languages such ...

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